

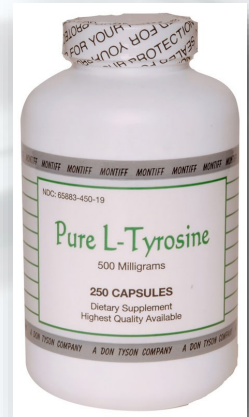
L-Tyrosine

INCI Name: L-Tyrosine

CAS Numbers: 60-18-4

Applications:

L-tyrosine is an amino acid precursor for synthesis of the neurotransmitters norepinephrine and dopamine. By improving the rate of It appears to function as an adaptogen by relieving physical symptoms of stress, such as mood swings. L-tyrosine also serves as a precursor for the thyroid hormone thyroxine and melanin, the pigment responsible for skin and hair color and protection against harmful ultraviolet rays. L-tyrosine is also a powerful antioxidant, scavenging and neutralizing free radicals and inhibiting fat oxidation.



Technical Data:

Item	Specification
Appearance	White Powder
Chloride	0.04% max.
Chromatographic Purity	2.0% max. (Total impurities), .05% max. (Individual impurity)
Organic Volatile Impurities	Meets the requirement
Residue on Ignition	0.4% max.
Specific Rotation	-9.8° to -11.2°
Sulfate	0.04% max.
Iron	30ppm max.
Assay	98.0 to 101.5%
Odor	Odorless
Taste	Slightly bitter taste
Particle Size	90% min. Thru 100 mesh
Identification	Positive
Bulk Density	0.2g/ml min.
Tap Density	0.3 g/ml min.
Heavy Metals (Pb)	10 ppm max.
Total Plate Count	1,000 max.
Coliforms	100 max
E. Coli	Negative
Salmonella	Negative
Yeast & Mold cfu/g	200 max.
Mercury	1 ppm max
Arsenic	1 ppm max
Cadmium	1 ppm max
Lead	1 ppm max

Applications:

Used as a dietary supplement for anti-stress for acute stressors (which tend to deplete noradrenaline) and may preserve stress-induced memory deficits. Also in anti-aging skin care and moisturizers, and some sunscreens.



McKinley Resources, Inc.

P.O. Box 810472 • Dallas, TX 75381

Phone: 972-620-9730 • Fax: 972-421-1860

info@mckinleyresources.com • www.mckinleyresources.com